

MEBT Chopper Systems Coordination Meeting

January 11, 2001, 8:30 AM PST

1. Chopper Structure Overview

LANL

- Components
- Cooling Requirements
- Instrumentation

2. Vacuum Shell Overview

LBNL

- Components (<u>MEBT</u>, <u>Chopper Assembly</u>)
- Interface with beamline (<u>raft iso</u>, <u>raft top view</u>)

3. Interface Finalization

- Interface Dimensions (<u>Chopper Assembly Interface</u>)
- Hardware Responsibilities

LANL Chopper Structures (assy_1966_10-25-00)

HV Feedthroughs (Photo) Scraper Assemblies In-vacuum HV Coax In-vacuum water tubing

Thermocouples (up to feedthrough)

LBNL Vacuum Shell (beambox, cover)

Pivot Assembly (<u>pivot bracket</u>)

Ball Joint Assembly Micrometer Feedthrough Water Feedthrough Signal Feedthrough

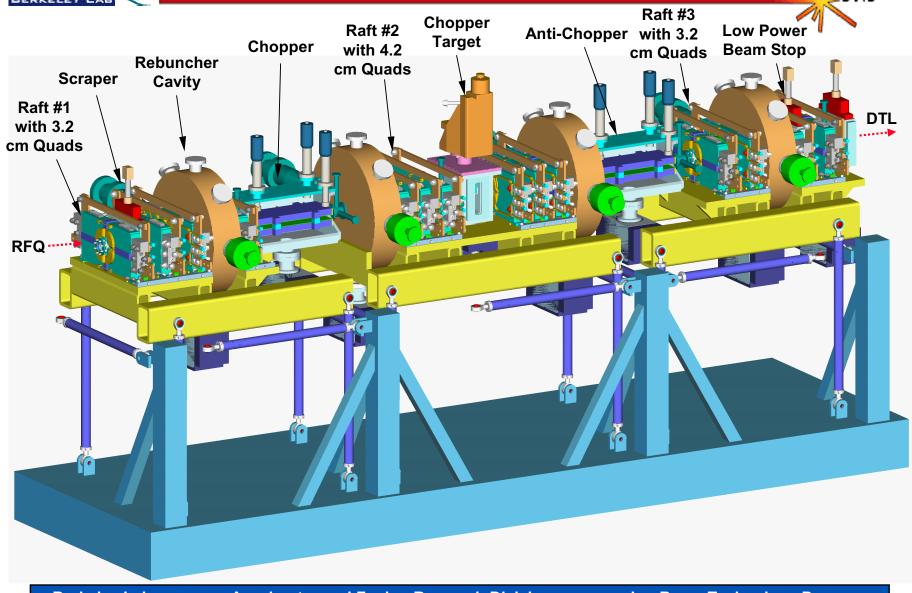
Thermocouple Feedthrough

4. Schedule

- Assembly Plan (tri_1, tri_2, tri_3, tri_4, new_front)
- Deliverables



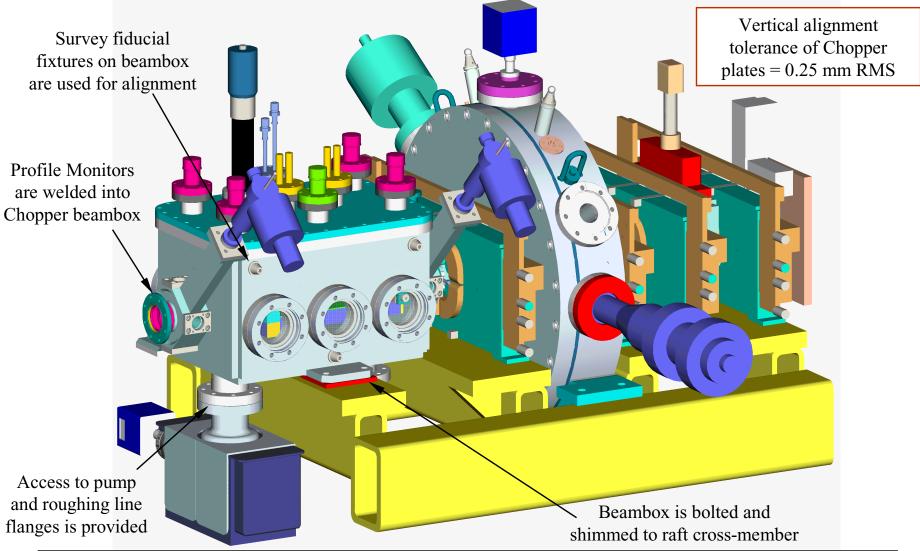
MEBT Components





Chopper on MEBT Raft

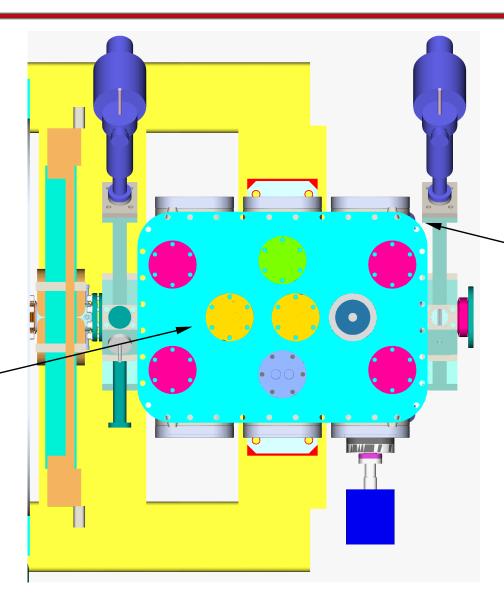






Mounting Plate Accessibility





Both the Chopper mounting plates and the Profile Monitor mounting flanges can be removed from their respective beamboxes without interfering.

All feedthroughs are

accessible on top of the beambox.

